9/23/99

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Facsimile Transmittal Form

To:	Fax Number:	Phone Number:
Examiner Jastrzab	703 305 3590	703 308 2097
From:	**Direct Fax No.:**	**Direct Dial No.:**
Steve Beuerle		619-552-8400
Re:	**Date/Time Sent:**	**No. of Pages:**
Serial No. 09/034,553 ******** PLEASE HAND	09/23/99 09:05 AM	6
Client Name:	**Client Matter No.:**	
USPTO	SCBeuerle-02488-02320622	

Notes/Comments:

******** PLEASE HAND DELIVER TO EXAMINER JASTRZAB **********

Examiner Jastrzab,

Enclosed please find the proposed amendment.

Please note, if you believe the rewritten method of use claims will require additional searching after Final, but agree that IBAD claims 13, 15, 17, 19 and 21 are allowable, we can pursue those method of use claims in a continuation and re-write IBAD claims 13, 15, 17, 19 and 21 as method of manufacturing claims, similar to allowed claim 22.

Thanks for your time,

Steve Beuerle
858-552-8400 X5604

To Be Completed By Fax Operator

TIME TRANSMITTED: _____ TRANSMITTED BY: _____

SEP 23 1999

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	Group Art Unit: 1911
Stuart D. Edwards, et al.	Examiner: J. Jastrzab
Serial No.: 09/034,553	
Filed: March 3, 1998	***PLEASE HAND DELIVER TO EXAMINER JASTRZAB! ****
For: CARDIAC MAPPING AND ABLATION SYSTEMS	

PROPOSED AMENDMENT

(PLEASE DO NOT ENTER, FOR INTERVIEW PURPOSES ONLY)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to Office Action dated August 2, 1999, Applicants respectfully request allowance of the present application in view of the following amendments and remarks.

IN THE CLAIMS:

Please amend claims 11-21 as follows:

11. (Amended) [An electrode assembly for] A method of sensing and ablating body tissue using an electrode assembly, comprising:

CERTIFICATE OF MAILING
(37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

April 29, 1999
Date of Deposit

Tammy Ortiz
Name of Person Mailing Paper

Signature of Person Mailing Paper[SD-130397.1]

providing an expandable and collapsible structure having an electrode formed thereon, the electrode configured to sense electrical events in the body tissue and ablate the body tissue;

sensing electrical events in the body tissue with the electrode;

ablating the body tissue with the electrode.

12. (Amended) [An electrode assembly] The method according to claim 11, wherein the electrode comprises a conductive material substantially covering an exterior surface of the structure.

13. (Amended) [An electrode assembly] The method according to claim 12, wherein providing an expandable and collapsible structure includes applying the conductive material [is applied] to the exterior surface of the structure by ion beam assisted deposition.

14. (Amended) [An electrode assembly] The method according to claim 11, wherein the structure includes an exterior surface having formed thereon a number of spaced apart conductive zones that act as individual electrodes, the method including sensing electrical events in the body tissue with the spaced apart conductive zones and ablating the body tissue with the spaced apart conductive zones.

15. (Amended) [An electrode assembly] The method according to claim 14, wherein providing an expandable and collapsible structure includes applying the spaced apart conductive zones [comprise a conductive material applied] by ion beam aided deposition.

16. (Amended) [An electrode assembly for] A method of sensing and ablating body tissue using an electrode assembly, comprising:

providing an expandable and collapsible body having an outer surface with an electrically conductive material that occupies substantially all of the outer surface so that the body acts as an individual sensing and ablating electrode;

sensing electrical events in the body tissue with the electrically conductive material;

ablating the body tissue with the electrically conductive material.

17. (Amended) [An electrode assembly] The method according to claim 16, wherein providing an expandable and collapsible structure includes applying the electrically conductive material [is applied] by ion beam assisted deposition.

18. (Amended) [An electrode assembly for] A method of sensing and ablating body tissue using an electrode assembly, comprising:

providing an expandable and collapsible body having an outer surface with a number of spaced apart conductive zones configured to sense electrical events in the body tissue and ablate the body tissue;

sensing electrical events in the body tissue with the conductive zones;

ablating the body tissue with the conductive zones.

19. (Amended) [An electrode assembly] The method according to claim 18, wherein providing an expandable and collapsible structure includes applying the spaced apart conductive zones [comprise a conductive material applied] by ion beam aided deposition.

20. (Amended) [An electrode assembly for] A method of sensing body tissue using an electrode assembly, comprising:

providing an expandable and collapsible body, the body having an exposed outer surface, the outer surface substantially covered with an electrically conductive coating, whereby the body acts as an individual sensing electrode;

sensing electrical events in the body tissue with the electrically conductive coating.

21. (Amended) [An electrode assembly] The method according to claim 20, wherein providing an expandable and collapsible structure includes applying the electrically conductive coating [is applied using] by ion beam assisted deposition.

22. (Recited) A method for constructing an electrode assembly, the electrode assembly configured to transmit electrical energy to body tissue, comprising:

providing an expandable and collapsible structure, and

applying an electrically conductive coating to the structure using ion beam aided deposition.

REMARKS

Claims 11-22 are pending in the present application. Of these claims, claims 11-21 stand rejected under 35 U.S.C. 102(b) and claim 22 stands allowed. Claims 11-21 have been rewritten as "method of use" claims to further distinguish these claims over the prior art of record.

Applicants respectfully request reconsideration and allowance of the present application in view of the above amendment and following remarks.

35 U.S.C. 102(b):

Stern:

In regard to the rejection of claims 11-21 under 35 U.S.C. 102(b), Applicants respectfully traverse this rejection with respect to the amended "method of use" claims because Stern does not disclose each and every step required by the claims.

In particular, Stern does not disclose, teach or suggest a method of sensing and ablating body tissue using an electrode assembly (claims 11-19), applying an electrically conductive coating by ion beam assisted deposition (claims 13, 15, 17, 19, 21) nor a method of sensing body tissue using an electrode assembly (claims 20-21).

Although Stern discloses temperature sensors 24 and 42, these temperature sensors are not used to sense electrical events in the body tissue nor sense electrical events in the body tissue and ablate body tissue. Further, the reference to electrical deposition in Stern does not teach applying an electrically conductive coating by ion beam assisted deposition.

Thus, Applicants respectfully submit that claims 11-21 are not anticipated by Stern and request this rejection be withdrawn.

Perlin:

In regard to the rejection of claims 11, 14, 18 and 20 under 35 U.S.C. 102(b), Applicants respectfully traverse this rejection with respect to the amended "method of use" claims because Perlin does not disclose each and every step required by the claims.

In particular, Perlin does not disclose, teach or suggest a method of sensing and ablating body tissue using an electrode assembly (claims 11, 14, 18) nor providing a body substantially covered by an electrically conductive coating that acts as an individual sensing electrode (claim 20).

In contrast, Perlin discloses sensing using a pair of separate EKG electrodes 54 and 56, not sensing and ablating body tissue using an electrode assembly. Further, Perlin discloses a pair of separate electrodes 54 and 56 that act as two separate electrodes, not an electrically conductive coating that acts as an individual sensing electrode.

Thus, Applicants respectfully submit that claims 11, 14, 18 and 20 are not anticipated by Perlin and request this rejection be withdrawn.

CONCLUSION

On the basis of the above amendments, reconsideration and allowance of the application is believed to be warranted and such action is respectfully requested. If the Examiner has any questions or comments regarding this amendment, the Examiner is respectfully urged to contact the undersigned at the number listed below.

Respectfully submitted,

LYON & LYON LLP

Dated: April 29, 1999

By: _____
Stephen C. Beuerle
Reg. No. 38,380

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SD-130397.1